Performance Data Sheet

AGA5553EXN

General Information

Model	AGA5553EXN	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	16400	15600					
	Watts	2610	2420					
	Amps	12.5	11.6					
	Lb/h	225	203					
-10	Btu/h	18400	17100	15800				
	Watts	2790	2640	2480				
	Amps	13.4	12.7	11.9				
	Lb/h	249	226	203				
-5	Btu/h	21000	19300	17600	15900			
	Watts	2980	2850	2730	2610			
	Amps	14.3	13.7	13.1	12.5			
	Lb/h	281	256	231	206			
0	Btu/h	24200	22100	20000	17900	15900		
	Watts	3160	3070	2980	2890	2800		
	Amps	15.2	14.7	14.3	13.9	13.5		
	Lb/h	320	293	266	240	213		
5	Btu/h	28100	25600	23100	20600	18100		
	Watts	3340	3280	3230	3170	3120		
	Amps	16.0	15.7	15.4	15.2	14.9		
	Lb/h	367	338	309	281	252		
10	Btu/h	32600	29700	26800	23900	21000	18200	15300
	Watts	3510	3490	3470	3450	3430	3410	3390
	Amps	16.7	16.6	16.5	16.4	16.4	16.3	16.2
	Lb/h	420	390	359	329	299	269	239
15	Btu/h	37700	34400	31100	27800	24600	21300	18000
	Watts	3670	3690	3700	3720	3740	3750	3770
	Amps	17.4	17.5	17.6	17.7	17.8	17.8	17.9
	Lb/h	480	448	416	385	353	321	290
20	Btu/h	43400	39700	36100	32400	28700	25100	21400
	Watts	3830	3880	3930	3990	4040	4090	4140
	Amps	18.1	18.4	18.6	18.9	19.1	19.4	19.6
	Lb/h	546	513	480	447	414	381	348

25	Btu/h	49700	45700	41600	37600	33500	29400	25400
	Watts	3980	4070	4160	4250	4330	4420	4510
	Amps	18.7	19.1	19.6	20.0	20.4	20.8	21.3
	Lb/h	619	585	551	516	482	447	413
30	Btu/h	56600	52200	47800	43300	38900	34500	30000
	Watts	4110	4240	4370	4500	4620	4750	4870
	Amps	19.2	19.8	20.5	21.1	21.7	22.3	22.9
	Lb/h	699	663	628	592	556	520	484
35	Btu/h	64100	59300	54500	49700	44900	40100	35200
	Watts	4240	4410	4580	4740	4910	5070	5230
	Amps	19.7	20.5	21.3	22.1	22.9	23.6	24.4
	Lb/h	784	748	711	674	637	600	563
40	Btu/h	72100	67000	61800	56700	51500	46300	41100
	Watts	4360	4570	4770	4980	5180	5380	5580
	Amps	20.0	21.0	22.0	23.0	24.0	25.0	25.9
	Lb/h	875	838	801	763	725	687	648
45	Btu/h	80700	75200	69700	64200	58600	53100	47500
	Watts	4460	4710	4960	5200	5440	5680	5920
	Amps	20.3	21.5	22.7	23.9	25.0	26.2	27.3
	Lb/h	972	934	896	857	818	779	740
50	Btu/h	89800	84000	78200	72300	66400	60500	54500
	Watts	4550	4840	5130	5410	5690	5970	6250
	Amps	20.5	21.9	23.3	24.7	26.0	27.4	28.7
	Lb/h	1070	1040	997	958	918	878	837
55	Btu/h	99500	93300	87100	80900	74700	68400	62100
	Watts	4630	4960	5290	5610	5930	6250	6570
	Amps	20.6	22.2	23.8	25.3	26.9	28.5	30.0
	Lb/h	1180	1140	1100	1060	1020	983	941

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.128800E+04	3.913225E+03	1.884154E+01	5.424033E+02
C2	1.332890E+03	-2.230552E+01	-1.139517E-01	1.079722E+01
C3	-2.153347E+02	-9.614926E+00	-4.711964E-02	-2.806191E+00
C4	1.163845E+01	-1.957201E-01	-1.429981E-03	1.245019E-01
C5	-7.476168E+00	7.553973E-01	3.678784E-03	-2.325463E-02
C6	9.437216E-03	9.846980E-04	5.762790E-06	1.642359E-04
C7	-1.271156E-02	-1.326350E-03	-7.762254E-06	-2.212193E-04
C8	1.257623E-02	1.312229E-03	7.679614E-06	2.188641E-04
C9	-3.561274E-03	-3.715905E-04	-2.174675E-06	-6.197687E-05
C10	1.705432E-04	1.779482E-05	1.041414E-07	2.967964E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature